

1/19

-1437 AAGCTTCTAC CCTAGTCTGG TGCTACACTT ACATTGCTTA CATCCAAGTG TGGTTATTTTC
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 -1317 TTAAATCAGA ATAAGAGATT TTGCACCTGC AATAGACCTT ATGACACCTA ACCAACCCCA
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 -957 CCTGAAGTAG GCTGGCCACA GGAATTATAA AAGCTGAGAA ATTCTTTAAT AATAGTAACC
 -897 AGGCAACATC ATTGAAGGCT CATATGTAAA AATCCATGCC TTCCTTTCTC CCAATCTCCA
 -837 TTCCCAAACCT TAGCCACTGG TTCTGGCTGA GGCCTTACGC ATACCTCCCG GGGCTTGCAC
 -777 ACACCTTCTT CTACAGAAGA CACACCTTGG GCATATCCTA CAGAAGACCA GGCTTCTCTC
 -717 TGGTCCCTGG TAGAGGGCTA CTTTACTGTA ACAGGGCCAG GGTGGAGAGT TCTCTCCTGA
 -657 AGCTCCATCC CCTCTATAGG AAATGTGTTG ACAATATTCA GAAGAGTAAG AGGATCAAGA
 -597 CTTCTTTGTG CTCAAATACC ACTGTTCTCT TCTCTACCCCT GCCCTAACCA GGAGCTTGTC
 -537 ACCCCAAACT CTGAGGTGAT TTATGCCTTA ATCAAGCAAA CTTCCCTCTT CAGAAAAGAT
 -477 GGCTCATTTT CCCTCAAAG TTGCCAGGAG CTGCCAAGTA TTCTGCCAAT TCACCCTGGA
 -417 GCACAATCAA CAAATTCAGC CAGAACACAA CTACAGCTAC TATTAGAAGT ATTATTATTA
 -357 ATAAATTCCT CTCCAAATCT AGCCCCTTGA CTTCCGATT TTTCTCTAAG ACTACATGTT TGTCATCTTA
 -297 TAGAACTTG ATAAGTTTCC CGCGCTTCCC TTTTCTAAG CTGGAATATC TGCAAACAAC
 -237 TAAAGCAAAG GGGTGAATAA ATGAACCAAA TCAATAACTT CTGGAATATC TGCAAACAAC
 -177 AATAATATCA GCTATGCCAT CTTTCACTAT TTTAGCCAGT ATCGAGTTGA ATGAACATAG
 -117 AAAAATACAA AACTGAATTC TTCCCTGTAA ATTCCCCGTT TTGACGACGC ACTTGTAGCC
 -57 ACGTAGCCAC GCCTACTTAA GACAATTACA AAAGGCGAAG AAGACTGACT CAGGCTTAAG
 4 CTGCCAGCCA GAGAGGGAGT CATTTCAATG GCGTTTGTAGT CAGCAAAGGT ATTGTCTCA
 64 CATCTCTGGC TATTAAAGTA TTTTCTGTTG TTGTTTTTCT CTTTGGCTGT TTTCTCTCAC
 124 ATTGCTTCT CTAAAGCTAC AGTCTCTCCT TTCTTTTCTT GTCCCTCCCT GGTGTTGAT
 184 GTGACCTAGA ATTACAGTCA GATTTTCAGAA AATGATTCTC TCATTTTGCT GATAAGGACT
 244 GATTTCGTTTT ACTGAGGGAC GGCAGAACTA GTTTCCTATG AGGGCATGGG TGAATACAAC
 304 TGAGGCTTCT CATGGGAGGG AATCTCTACT ATCCAAAATT ATTAGGAGAA AATTGAAAAT
 364 TTCCAACCT GTCTCTCTCT TACCTCTGTG TAAGGCAAAT ACCTTATTCT TGTGGTGT
 424 TTGTAACCTC TTCAAACCTT CATTGATTGA ATGCCTGTTT TGGCAATACA TTAGGTTGGG
 484 CACATAAGGA ATACCAACAT AAATAAAACA TTCTAAAAGA AGTTTACGAT CTAATAAAGG
 544 AGACAGGTAC ATAGCAAAC AATTCAAAGG AGCTAGAAGA TGGAGAAAAT GCTGAATGTG
 604 GACTAAGTCA TTCAACAAAG TTTTCAGGAA GCACAAAGAG GAGGGGCTCC CCTCACAGAT
 664 ATCTGGATTA GAGGCTGGCT GAGCTGATGG TGGCTGGTGT TCTCTGTTGC AGAAGTCAAG
 724 ATGGCCAAAG TTCCAGACAT GTTTGAAGAC CTGAAGAACT GTTACAGGTA AGGAATAAGA
 784 TTTATCTCTT GTGATTTAAT GAGGGTTTCA AGGCTCACCA GAATCCAGCT AGGCATAACA
 844 GTGGCCAGCA TGGGGGAGG CCGGCAGAGG TTGTAGAGAT GTGTACTAGT CCTGAAGTCA
 904 GAGCAGGTT AGAGAAGACC CAGAAAAACT AAGCATTGAG CATGTTAAAC TGAGATTACA
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 1024 ATATCAGCAT CAACCTAGAC ACAGCCTCTG TTGAGATCAC ATGCCCTGAT ATAAGAATGG
 1084 GTTTTACTGG TCCATTCTCA GGAAAACTG ATCTCATTCA GGAACAGGAA ATGGCTCCAC
 1144 AGCAAGCTGG GCATGTGAAC TCACATATGC AGGCAAATCT CACTCAGATG TAGAAGAAAG
 1204 GTAAATGAAC ACAAAGATAA AATTACGGAA CATATTAAAC TAACATGATG TTTCCATTAT
 1264 CTGTAGTAAA TACTAACACA AACTAGGCTG TCAAAATTTT GCCTGGATAT TTTACTAAGT
 1324 ATAAATTATG AAATCTGTTT TAGTGAATAC ATGAAAGTAA TGTGTAACAT ATAATCTATT
 1384 TGGTTAAAAT AAAAAGGAAG TGCTTCAAAA CCTTTCTTTT CTCTAAAGGA GCTTAACATT
 1444 CTTCCCTGAA CTTCAATTAA AGCTCTTCAA TTTGTTAGCC AAGTCCAATT TTTACAGATA
 1504 AAGCACAGGT AAAGCTCAAA GCCTGTCTTG ATGACTACTA ATTCCAGATT AGTAAGATAT

Fig. 1

2/19

1564 GAATTACTCT ACCTATGTGT ATGTGTAGAA GTCCTTAAAT TTCAAAGATG ACAGTAATGG
 1624 CCATGTGTAT GTGTGTGACC CACAACATATC ATGGTCATTA AAGTACATTG GCCAGAGACC
 1684 ACATGAAATA ACAACAATTA CATTCTCATC ATCTTATTTT GACAGTGAAA ATGAAGAAGA
 1744 CAGTTCCTCC ATTGATCATC TGTCTCTGAA TCAGGTAAGC AAATGACTGT AATTCTCATG
 1804 GGACTGCTAT TCTTACACAG TGGTTTCTTC ATCCAAAGAG AACAGCAATG ACTTGAATCT
 1864 TAAATACTTT TGTTTTACCC TCACTAGAGA TCCAGAGACC TGTCTTTCAT TATAAGTGAG
 1924 ACCAGCTGCC TCTCTAAACT AATAGTTGAT GTGCATTGGC TTCTCCCAGA ACAGAGCAGA
 1984 ACTATCCCAA ATCCCTGAGA ACTGGAGTCT CCTGGGGCAG GCTTCATCAG GATGTTAGTT
 2044 ATGCCATCCT GAGAAAGCCC CGCAGGCCGC TTCACCAGGT GTCTGTCTCC TAACGTGATG
 2104 TGTGTGGTT GTCTTCTCTG ACACCAGCAT CAGAGGTTAG AGAAAGTCTC CAAACATGAA
 2164 GCTGAGAGAG AGGAAGCAAG CCAGCTGAAA GTGAGAAGTC TACAGCCACT CATCAATCTG
 2224 TGTATTGTG TTTGGAGACC ACAAATAGAC ACTATAAGTA CTGCCTAGTA TGTCTTCAGT
 2284 ACTGGCTTTA AAAGCTGTCC CCAAAGGAGT ATTTCTAAAA TATTTTGAGC ATTGTTAAGC
 2344 AGATTTTTTA CCTCCTGAGA GGGAACTAAT TGGAAAGCTA CCACTCACTA CAATCATTGT
 2404 TAACCTATTT AGTTACAACA TCTCATTTTT GAGCATGCAA ATAAATGAAA AAGTCTTCCT
 2464 AAAAAATCA TCTTTTATC CTGGAAGGAG GAAGGAAGGT GAGACAAAAG GGAGAGAGGG
 2524 AGGGAAGCCT AATGAAACAC CAGTTACCTA AGACCAGAAAT GGAGATCCTC CTCACTACCT
 2584 CTGTTGAATA CAGCACCTAC TGAAAGAACT TTCATTCCCT GACCATGAAC AGCCTCTCAG
 2644 CTTCTGTTTT CCTTCCTCAC AGAAATCCTT CTATCATGTA AGCTATGGCC CACTCCATGA
 2704 AGGCTGCATG GATCAATCTG TGTCTCTGAG TATCTCTGAA ACCTCTAAAA CATCCAAGCT
 2764 TACCTCAAG GAGAGCATGG TGGTAGTAGC AACCACGGG AAGGTTCTGA AGAAGAGACG
 2824 GTTGAGTTTA AGCCAATCCA TCACTGATGA TGACCTGGAG GCCATCGCCA ATGACTCAGA
 2884 GGAAGGTAAG GGGTCAAGCA CAATAATATC TTTCTTTTAC AGTTTTAAGC AAGTAGGGAC
 2944 AGTAGAATTT AGGGGAAAAT TAAACGTGGA GTCAGAATAA CAAGAAGACA ACCAAGCATT
 3004 AGTCTGGTAA CTATACAGAG GAAAATTAAT TTTTATCCTT CTCCAGGAGG GAGAAATGAG
 3064 CAGTGGCCTG AATCGAGAAT ACTTGCTCAC AGCCATTATT TCTTAGCCAT ATTGTAAAGG
 3124 TCGTGTGACT TTTAGCCTTT CAGGAGAAAAG CAGTAATAAG ACCACTTACG AGCTATGTTT
 3184 CTCTCATACT AACTATGCCT CCTTGGTCAT GTTACATAAT CTTTTCGTGA TTCAGTTTCC
 3244 TCTACTGTAA AATGGAGATA ATCAGAATCC CCCACTCATT GGATTGTTGT AAAGATTAG
 3304 AGTCTCAGGC TTTACAGACT GAGCTAGCTG GGCCCTCCTG ACTGTTATAA AGATTAAATG
 3364 AGTCAACATC CCCTAACTTC TGGACTAGAA TAATGTCTGG TACAAAGTAA GCACCCAATA
 3424 AATGTTAGCT ATTACTATCA TTATTATTAT TATTTTATTT TTTTTTTTG AGATGGAGTC
 3484 TGGCTCTGTC ACCCAGGCTG GAGTGCAGTG GCACAATCTC GGCTCACTGC AAGCTCTGCC
 3544 TCCTGGGTTT ATGCCATTCT CCTGCCCTCAG CCTCCCGAGT AAGCTGGGAA TACAGGCACC
 3604 CGCCACTGTT CCCGGCTAAT TTTTGTATTT TTTAGTAGAG ACGGAGTTTC ACCGTGGTCT
 3664 CCATCTCCTC GTGATCCACC CACCTTGGCC TCCCAAAGTG CCGGGATTAC AGGCGTGAGC
 3724 CACCGCGCCC GGCCTATTAT TATTATTATT ACTACTACTA CTACCTATAT GAATACTACC
 3784 AGCAATACTA ATTTATTAAT GACTGGATTA TGTCTAAACC TCACAAGAAT CCTACCTTCT
 3844 CATTTTACAT AAAAGGAAAC TAAGCTCATT GAGATAGGTA AACTGCCCAA TGGCATACAT
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 3964 CTCCTCCATC CCTTACTGT ACAAGCCTCC ACATGAACTA TAAACCCAAT ATTCCTGTTT
 4024 TTAAGATAAT ACCTAAGCAA TAACGCATGT TCACCTAGAA GGTTTTAAAA TGTAACAAAA
 4084 TATAAGAAAA TAAAAATCAC TCATATCGTC AGTGAGAGTT TACTACTGCC AGCACTATGG
 4144 TATGTTTCCT TAAAATCTTT GCTATACACA TACCTACATG TGAACAAATA TGTCTAACAT
 4204 CAAGACCACA CTATTTACAA CTTTATATCC AGCTTTTCTT ACTTAGCAAT GTATTGAGGA
 4264 CATTTTAGAG TGCCCGTTTT TCACCATTAT AAGCAATGCA ACAATGAACA TCTGTATAAA
 4324 TAAATATTCA TTTCTCTCAC CTTTATTTTC CTTAGAATAT ATTCCTAGAA GTAGAATTTT
 4384 CCAGAGCCAT GAGGATTTGT GACGCTATTG ATATGTGCCA CTTTGCCTC TCTGTGACAT
 4444 ATATAATTAT TTTTAATGCA TTCATTTTTT TCTCAGAGTG CATTCGTTTG AAAACATAGA
 4504 CGGGAAATAC TGGTAGTCTT CCTTGTCAGT TAGAAACACC CAAACAATGA AAAATGAAAA
 4564 AGTTGCACAA ATAGTCTCTA AAAACAATGA AACTATTGCC TGAGGAATTG AAGTTTAAAA
 4624 AGAAGCACAT AAGCAACAAC AAGGATAATC CTAGAAAACC AGTTCTGCTG ACTGGGTGAT
 4684 TTCATTCTC TTTGCTTCCT CATCTGGATT GGAATATTCC TAATACCCCC TCCAGAACTA

Fig. 1 (cont.)

3/19

4744 TTTTCCCTGT TTGTACTAGA CTGTGTATAT CATCTGTGTT TGTACATAGA CATTAATCTG
 4804 CACTTGTGAT CATGGTTTTA GAAATCATCA AGCCTAGGTC ATCACCTTTT AGCTTCCTGA
 4864 GCAATGTGAA ATACAACTTT ATGAGGATCA TCAAATACGA ATTCATCCTG AATGACGCCC
 4924 TCAATCAAAG TATAATTGCA GCCAATGATC AGTACCTCAC GGCTGCTGCA TTACATAATC
 4984 TGGATGAAGC AGGTACATTA AAATGGCACC AGACATTTCT GTCATCCTCC CCTCCTTTCA
 5044 TTTACTTATT TATTTATTTT AATCTTTCTG CTTGCAAAAA ACATACCTCT TCAGAGTTCT
 5104 GGGTTGCACA ATTCTTCCAG AATAGCTTGA AGCACAGCAC CCCCATAAAA ATCCCAAGCC
 5164 AGGGCAGAAG GTTCAACTAA ATCTGGAAGT TCCACAAGAG AGAAGTTTCC TATCTTTGAG
 5224 AGTAAAGGGT TGTGCACAAA GCTAGCTGAT GTACTACCTC TTTGGTTCTT TCAGACATTC
 5284 TTACCCTCAA TTTTAAACT GAGGAACTG TCAGACATAT TAAATGATTT ACTCAGATTT
 5344 ACCCAGAAGC CAATGAAGAA CAATCACTCT CCTTTAAAAA GTCTGTTGAT CAAACTCACA
 5404 AGTAACACCA AACCAGGAAG ATCTTTATTA TCTCTGATAA CATATTTGTG AGGCAAAACC
 5464 TCCAATAAGC TACAAATATG GCTTAAAGGA TGAAGTTTAG TGTCCAAAAA CTTTTATCAC
 5524 ACACATCCAA TTTTCATGGC GGACATGTTT TAGTTTCAAC AGTATACATA TTTTCAAAGG
 5584 TCCAGAGAGG CAATTTTGCA ATAAACAAGC AAGACTTTTT CTGATTGGAT GCACTTCAGC
 5644 TAACATGCTT TCAACTCTAC ATTTACAAAT TATTTTGTGT TCTATTTTTT TACTTAATAT
 5704 TATTTCTGCA ATTTTCCCAA TATTGACATC GTGTATGTAT TTGCCATTTT TAATATCACT
 5764 AGACAATTCA ATCAGGTTGC TACGTTGGTC CCTTGGGTTT ACTCTAAATA GCTTGATTGC
 5824 AAATATCTTT GTATATATTA TTGTTTTTTC TCCTATCTTG TAATTTCTTT GAGCACATCC
 5884 CAAAGAGGAA TGCCTAGATC AATGGGCACA AATAATTTGA CAGCTCTTAT TAAACATTAT
 5944 TCTGTAAGTA AAAACTGAAC TACTTTTCAG TATCACTAGC AACATATGAG TGTATCAGCT
 6004 TCCTAAACCC CTCCATGTTA GGTCATTATG AACTTATGAT CTAACAAATT ACAGGGTCTT
 6064 ATCCCACTAA TGAAATTATA AGAGATTCAA CACTTATTCA GCCCCGAAGG ATTCATTCAA
 6124 CGTAGAAAAAT TCTAAGAACA TTAACCAAGT ATTTACCTGC CTAGTGAGTG TGGGAAGACAT
 6184 TGTGAAGGAC ACAAAGATGT ATAGAATTCC ATTCCTGACT TCCAGGTATT TACACCATAG
 6244 GTGGGGACCT AACTACACAC ACACACACAC ACACACACAC ACCATGCACA
 6304 CACAATCTAC ATCAACACTT GATTTTATAC AAATACAATG AATTTACTTT CTTTTTGGTT
 6364 CTTCTCTTCA CCAGTGAAAT TTGACATGGG TGCTTATAAG TCATCAAAGG ATGATGCTAA
 6424 AATTACCGTG ATTCTAAGAA TCTCAAAAAC TCAATTGTAT GTGACTGCCC AAGATGAAGA
 6484 CCAACCAAGT CTGCTGAAGG TCAGTTGTCC TTTGTCTCCA ACTTACCTTC ATTTACATCT
 6544 CATATGTTTG TAAATAAGCC CAATAGGCAG ACACCTCTAA CAAGGTGACA CTGTCTCTTT
 6604 TCCTTCTTAC CACAGCCCCC ACCTACCCAC CCCACTCCCA TTGATTCCAG AGGCGTGCCT
 6664 AGGCAGGATC TATGAGAAAA TATAACAGAG AGTAAGAGGA AAATTACCTT CTTTCTTTTT
 6724 CCTTCCCTG CCTGACCTTA TTCACCTCCC ATCCCAGAGC ATCCATTAT TCCATTGATC
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 6844 TCCAAGAAAC TCAAATAAGC CAACTGAGAT CAGAGAGGAT TAATCACCTG CCAATGGGCA
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 7444 AAAGCCCCTT GTGAGATGAG AGCTGCCGAC AGAGGGGGCG GGTCATGGTT GTGGGTTTTT
 7504 GGGTAGGACA TTCAGAGGAG GGGGCGGGTC GTGGTTGTGG GTTTTTGGGT AGGACATTCA
 7564 GAGGAGGGGG CGGCTCGTGG TTGTGGGTTT TTGGGTAGGA CATTCAGAGG AGGGGGCGGG
 7624 TCGTGGTTGT GGGTTTTTGG GTAGGACATT CAGAGGAGGG GGCGGGTCGT GGTGTGGGT
 7684 TTTTGGGACA TTCAGAGGAG TCTGAATGCA CCCAGGCCA CAACTTCAAG ATGGTAAAGG
 7744 ACAGCTCCAA GGATCAGAAG AAGCATTCTT GGAAGTGGGG CATTTTGAGA AGGAGGAAAA
 7804 ATATGCAGAG ACTAGTGCTT GCAGAGCTTG CATTTGGATT TCATTTGAGG TACAATGAAA
 7864 ACCCATTAAT GGGTTTCACA CAGTGCAATG GCCTGACCTC ACTTATATTT CCTAAAATAG

Fig. 1 (cont.)

4/19

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7924 AAAACAGATC AGAAGGAAGG CAATAGAGAA GCAGAAAGTC CAATGAGGAG GTTTCACAGC
7984 AGTCATGGGG GTGGGGTAAG GAAAAGAAGT GGAAAGAAAC AGACAGAATT GGGTTATATT
8044 TTGGAGATAG AACCAACAGA AGGAAGAGGA GAAACAACAT TTA CTGAGAA GGGAAAAAGT
8104 AGGAGAGGAA TAGGTTTGGG AAATAAATCC TGCTGACATT GGAAACCCCA AGGAAGCCTC
8164 AAAAGTATAT TTACTTGCTT TAGATTTAAA AGAATAGGAA AGAAGCATCT CAACTTGGAA
8224 TTTGAAATCT ATTTTTCAT AAAAGTATTG TTAAATTCTA CTCATACTCA CAAGAAAAGT
8284 ACATTCTAAA GAGTATATTG AAAGAGTTTA CTGATATACT TAGGAATTTT GTGTGTATGT
8344 GTGTGTGTGT ATGTGTGTGT GTGTGTTTAA CCTTCAATTG TTGACTTAAA TACTGAGATA
8404 AATGTCATCT AAATGCTAAA TTGATTTCCC AAAGGTATGA TTTGTTCACT TGGAGATCAA
8464 AATGTTTAGG GGGCTTAGAA TCACTGTAGT GCTCAGATTT GATGCAAAAT GTCTTAGGCC
8524 TATGTTGAAG GCAGGACAGA AACAATGTTT CCCTCCTACC TGCCTGGATA CAGTAAGATA
8584 CTAGTGTAC TGACAATCTT CATAACTAAT TTAGATCTCT CTCCAATCAA CTAAGGAAAT
8644 CAACTCTTAT TAATAGACTG GGCCACACAT CTACTAGGCA TGAATAAAAT GCTTGCTGAA
8704 TGAACAAATG AATGAAGAGC CTATAGCATC ATGTTACAGC CATAGTCCTA AAGTGGTGTT
8764 TCTCATGAAG GCCAAATGCT AAGGGATTGA GCTTCAGTCC TTTTCTAAC ATCTTGTTCT
8824 CTAACAGAAT TCTCTTCTTT TCTTCATAGG AGATGCCTGA GATACCCAAA ACCATCACAG
8884 GTAGTGAGAC CAACCTCCTC TTCTTCTGGG AAATCACGG CACTAAGAAC TATTTACAT
8944 CAGTTGCCCA TCCAAACTTG TTTATTGCCA CAAAGCAAGA CTACTGGGTG TGCTTGGCAG
9004 GGGGGCCACC CTCTATCACT GACTTTCAGA TACTGGAAAA CCAGGCGTAG GTCTGGAGTC
9064 TCACTTGTCT CACTTGTGCA GTGTTGACAG TTCATATGTA CCATGTACAT GAAGAAGCTA
9124 AATCCTTTAC TGTTAGTCAT TTGCTGAGCA TGTACTGAGC CTTGTAATTC TAAATGAATG
9184 TTTACTACTCT TTGTAAGAGT GGAACCAACA CTAACATATA ATGTTGTTAT TTAAAGAACA
9244 CCCTATATTT TGCATAGTAC CAATCATTTT AATTATTATT CTTCATAACA ATTTTAGGAG
9304 GACCAGAGCT ACTGACTATG GCTACCAAAA AGACTCTACC CATATTACAG ATGGGCAAAT
9364 TAAGGCATAA GAAAACTAAG AAATATGCAC AATAGCAGTT GAAACAAGAA GCCACAGACC
9424 TAGGATTTCA TGATTTTCATT TCAACTGTTT GCCTTCTGCT TTTAAGTTGC TGATGAAGTC
9484 TTAATCAAAT AGCATAAGTT TCTGGGACCT CAGTTTATC ATTTTCAAAA TGGAGGGAAT
9544 AATACCTAAG CCTTCCTGCC GCAACAGTTT TTTATGCTAA TCAGGGAGGT CATTTTGGTA
9604 AAATACTTCT CGAAGCCGAG CCTCAAGATG AAGGCAAAGC ACGAAATGTT ATTTTAAAT
9664 TATTATTTAT ATATGTATTT ATAAATATAT TTAAGATAAT TATAATATAC TATATTTATG
9724 GGAACCCCTT CATCCTCTGA GTGTGACCAG GCATCCTCCA CAATAGCAGA CAGTGTTTTC
9784 TGGGATAAGT AAGTTTGATT TCATTAATAC AGGGCATTTT GGTCCAAGTT GTGCTTATCC
9844 CATAGCCAGG AAACCTCTGCA TTCTAGTACT TGGGAGACCT GTAATCATAT AATAAATGTA
9904 CATTAATTAC CTTGAGCCAG TAATTGGTCC GATCTTTGAC TCTTTTGCCA TTAACTTAC
9964 CTGGGCATTC TTGTTTCATT CAATTCCACC TGCAATCAAG TCCTACAAGC TAAAATTAGA
10024 TGAACCAAC TTTGACAACC ATGAGACCAC TGTTATCAAA ACTTTCTTTT CTGGAATGTA
10084 ATCAATGTTT CTTCTAGGTT CTAAAAATTG TGATCAGACC ATAATGTTAC ATTATTATCA
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10204 CTGACACATA GTTATTCATT GCCTTAATCA TTATTTTACT GCATGGTAAT TAGGGACAAA
10264 TGGTAAATGT TTACATAAAT AATTGTATTT AGTGTTACTT TATAAAATCA AACCAAGATT
10324 TTATATTTTT TTCTCCTCTT TGTTAGCTGC CAGTATGCAT AAATGGCATT AAGAATGATA
10384 ATATTTCCGG GTTCACTTAA AGCTCATATT ACACATACAC AAAACATGTG TTCCCATCTT
10444 TATACAAACT CACACATACA GAGCTACATT AAAACAACCT AATAGGCCAG GCACGGTGGC
10504 TCAGACCTGT AATCCAGCA CTTTGGGAGG

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Fig. 1 (cont.)

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-1933 AGAAAGAAAG AGAGAGAGAA AGAAAAGAAA GAGGAAGGAA GGAAGGAAGG AAGAAAGACA
-1873 GGCTCTGAGG AAGGTGGCAG TTCCTACAAC GGGAGAACCA GTGGTTAATT TGCAAAGTGG
-1813 ATCCTGTGGA GGCANNCAGA GGAGTCCCCT AGGCCACCCA GACAGGGCTT TTAGCTATCT
-1753 GCAGGCCAGA CACCAAATTT CAGGAGGGCT CAGTGTTAGG AATGGATTAT GGCTTATCAA
-1693 ATTCACAGGA AACTAACATG TTGAACAGCT TTTAGATTTC CTGTGGAAAA TATAACTTAC
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-1333 AAAGATTTCA GTTTCCTGGA GGAACCAGGA GGGCAAGGTT TCAACTCAGT GCTATAAGAA
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-1213 GGGCAGATCA CAAGGTCAGG AGATCGAGAC CATCCTGGCT AACATGGTGA AACCCTGTCT
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-1033 GATCGTGCCA CTGCACTCCA GCCTGGGCGA CAGAGTGAGA CTCTGTCTCA AAAAAAAAAA
-973 AAAAGTGTTA TGATGCAGAC CTGTCAAAGA GGCAAAGGAG GGTGTTCCCTA CACTCCAGGC
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-853 CTGGAGCAGG CACTTTGCTG GTGTCTCGGT TAAAGAGAAA CTGATAACTC TTGGTATTAC
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-673 GGCTAGGGTA ACAGCACCTG GTCTTGCAGG GTTGTGTGAG CTTATCTCCA GGGTTGCCCC
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-553 CAATTTTCTC CTCAGAGGCT CCTGCAATTG ACAGAGAGCT CCCGAGGCAG AGAACAGCAC
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-313 AAACATTCTT CTAACGTGGG AAAATCCAGT ATTTTAATGT GGACATCAAC TGCACAACGA
-253 TTGTCAGGAA AACAATGCAT ATTTGCATGG TGATACATTT GCAAAATGTG TCATAGTTTG
-193 CTACTCCTTG CCCTTCCATG AACCAGAGAA TTATCTCAGT TTATTAGTCC CCTCCCCTAA
-133 GAAGCTTCCA CCAATACTCT TTTCCCCTTT CTTTAACTT GATTGTGAAA TCAGGTATTC
-73 AACAGAGAAA TTTCTCAGCC TCCTACTTCT GCTTTTGAAA GCTATAAAAA CAGCGAGGGA
-13 GAAACTGGCA GATACCAAAC CTCTTCGAGG CACAAGGCAC AACAGGCTGC TCTGGGATTC
48 TCTTCAGCCA ATCTTCATTG CTCAAGTATG ACTTTAATCT TCCTTACAAC TAGGTGCTAA
108 GGGAGTCTCT CTGTCTCTCT GCCTCTTTGT GTGTATGCAT ATTCTCTCTC TCTCTCTCTT
168 TCTTTCTCTG TCTCTCCTCT CCTTCTCTCT TGCCTCCTCT CTCAGCTTTT TGCAAAAATG
228 CCAGGTGTAA TATAATGCTT ATGACTCGGG AAATATTCTG GGAATGGATA CTGCTTATCT
288 AACAGCTGAC ACCCTAAAGG TTAGTGTCAG AGCCTCTGCT CCAGCTCTCC TAGCCAATAC
238 ATTGCTAGTT GGGGTTTGGT TTAGCAAATG CTTTCTCTCTA GACCCAAAGG ACTTCTCTTT
308 CACACATTCA TTCATTTACT CAGAGATCAT TTCTTTGTCAT GACTGCCATG CACTGGATGC
468 TGAGAGAAAT CACACATGAA CGTAGCCGTC ATGGGGAAGT CACTCATTTT CTCCTTTTAA
528 CACAGGTGTC TGAAGCAGCC ATGGCAGAAG TACCTGAGCT CGCCAGTGAA ATGATGGCTT
588 ATTACAGGTC AGTGGAGACG CTGAGACCAG TAACATGAGC AGGTCTCCTC TTTCAAGAGT
648 AGAGTGTTAT CTGTGCTTGG AGACCAGATT TTTCCCCTAA ATTGCCTCTT TCAGTGGCAA
708 ACAGGGTGCC AAGTAAATCT GATTTAAAGA CTACTTTCCC ATTACAAGTC CCTCCAGCCT
768 TGGGACCTGG AGGCTATCCA GATGTGTTGT TGCAAGGGCT TCCTGCAGAG GCAAATGGGG
828 AGAAAAGATT CCAAGCCAC AATAACAAGA ATCCCTTTGC AAAGTGTGGC TTGGAGGGAG
888 AGGGAGAGCT CAGATTTTAG CTGACTCTGC TGGGCTAGAG GTTAGGCCTC AAGATCCAAC
948 AGGGAGCACC AGGGTGCCCA CCTGCCAGGC CTAGAATCTG CTTTCTGGAC TGTTCTGCGC
1008 ATATCACTGT GAAACTTGCC AGGTGTTTCA GGCAGCTTTG AGAGGCAGGC TGTTTGCAGT

```

Fig. 2

6/19

1068 TTCTTATGAA CAGTCAAGTC TTGTACACAG GGAAGGAAAA ATAAACCTGT TTAGAAGACA
 1128 TAATTGAGAC ATGTCCCTGT TTTTATTACA GTGGCAATGA GGATGACTTG TTCTTTGAAG
 1188 CTGATGGCCC TAAACAGATG AAGGTAAGAC TATGGGTTTA ACTCCCAACC CAAGGAAGGG
 1248 CTCTAACACA GGGAAAGCTC AAAGAAGGGA GTTCTGGGCC ACTTTGATGC CATGGTATTT
 1308 TGTTTTAGAA AGACTTTAAC CTCTTCCAGT GAGACACAGG CTGCACCACT TGCTGACCTG
 1368 GCCACTTGGT CATCATATCA CCACAGTCAC TCACTAACGT TGGTGGTGGT GGCCACACTT
 1428 GGTGGTGACA GGGGAGGAGT AGTGATAATG TTCCCATTTC ATAGTAGGAA GACAACCAAG
 1488 TCTTCAACAT AAATTTGATT ATCCTTTTAA GAGATGGATT CAGCCTATGC CAATCACTTG
 1548 AGTTAAACTC TGAAACCAAG AGATGATCTT GAGAACTAAC ATATGTCTAC CCCTTTTGAG
 1608 TAGAATAGTT TTTTGCTACC TGGGGTGAAG CTTATAACAA CAAGACATAG ATGATATAAA
 1668 CAAAAAGATG AATTGAGACT TGAAAGAAAA CCATTCACTT GCTGTTTGAC CTTGACAAGT
 1728 CATTTTACCC GCTTTGGACC TCATCTGAAA AATAAAGGGC TGAGCTGGAT GATCTCTGAG
 1788 ATTCCAGCAT CCTGCAACCT CCAGTTCCTGA AATATTTTCA GTTGTAGCTA AGGGCATTTG
 1848 GGCAGCAAT GGTCATTTTT CAGACTCATC CTTACAAAGA GCCATGTTAT ATTCTGCTG
 1908 TCCCTTCTGT TTTATATGAT GCTCAGTAGC CTTCCCTAGGT GCCCAGCCAT CAGCCTAGCT
 1968 AGGTCAAGTT TGCAGGTTGG AGGCAGCCAC TTTTCTCTGG CTTTATTTTA TTCCAGTTTG
 2028 TGATAGCCTC CCCTAGCCTC ATAATCCAGT CCTCAATCTT GTTAAAAACA TATTTCTTTA
 2088 GAAGTTTTAA GACTGGCATA ACTTCTTGCC TGCAGCTGTG GGAGGAGCCC ATTGGCTTGT
 2148 CTGCCTGGCC TTTGCCCCC ATTGCCCTCT CCAGCAGCTT GGCTCTGCTC CAGGCAGGAA
 2208 ATTCTCTCCT GCTCAACTTT CTTTTGTGCA CTTACAGGTC TCTTTAACTG TCTTTCAAGC
 2268 CTTTGAACCA TTATCAGCCT TAAGGCAACC TCAGTGAAGC CTTAATACGG AGCTTCTCTG
 2328 AATAAGAGGA AAGTGGTAA ACATTCACAAA AAGTACTCTC ACAGGATTTG CAGAATGCCT
 2388 ATGAGACAGT GTTATGAAAA AGGAAAAAAA AGAACAGTGT AGAAAAATTG AATACTTGCT
 2448 GAGTGAGCAT AGGTGAATGG AAAATGTTAT GGTCACTGTC ATGAAAAAGC AAATCATAGT
 2508 GTGACAGCAT TAGGGATACA AAAAGATATA GAGAAGGTAT ACATGTATGG TGTAGGTGGG
 2568 GCATGTACAA AAAGATGACA AGTAGAATCG GGATTTATTC TAAAGAATAG CCTGTAAGGT
 2628 TCCAGAAGC CACATTCTAG TCTTGAGTCT GCCTCTACCT GCTGTGTGCC CTTGAGTACA
 2688 CCCTTAACCT CTTGAGCTT CAGAGAGGGA TAATCTTTTT ATTTTATTTT ATTTTATTTT
 2748 GTTTTGT TTTTGT TTTTGT TTTTGT TTTTGT TTTTGT TTTTGT TTTTGT TTTTGT TTTTGT
 2808 GTGCAAGTGT ACAATCTTGG CTTACTGCAT CCTCCACCTC CTGAGTTCAA GCGATTCTCC
 2868 TTCTCAGTC TCCTGAATAG CTAGGATTAC AGGTGCACCC CACCACACCC AGCTAATTTT
 2928 TGTATTTTAA GTAGAGAAGG GGTTTCGCCA TGTGCGCCAG GCTGGTTTTG AAGTCCTGAC
 2988 CTAAATGATT CATCCACCTC GGCTTCCCAA AGTGCTGGGA TTACAGGCAT GAGCCACCAC
 3048 GCCTGGCCCA GAGAGGGATG ATCTTTAGAA GCTCGGGATT CTTTCAAGCC CTTTCTCTCT
 3108 CTCTGAGCTT TCTACTCTCT GATGTCAAAG CATGGTTCCT GGCAGGACCA CCTCACCAGG
 3168 CTCCCTCCCT CGCTCTCTCC GCAGTGCTCC TTCCAGGACC TGGACCTCTG CCCTCTGGAT
 3228 GGCGGCATCC AGCTACGAAT CTCCGACCAC CACTACAGCA AGGGCTTCAG GCAGGCCGCG
 3288 TCAGTTGTTG TGGCCATGGA CAAGCTGAGG AAGATGCTGG TTCCCTGCCC ACAGACCTTC
 3348 CAGGAGAATG ACCTGAGCAC CTTCTTTCCC TTCATCTTTG AAGAAGGTAG TTAGCCAAGA
 3408 GCAGGCAGTA GATCTCCACT TGTGTCTCTT TGGAAGTCAT CAAGCCCCAG CCAACTCAAT
 3468 TCCCCCAGAG CCAAAGCCCT TTAAAGGTAG AAGGCCCAGC GGGGAGACAA AACAAAGAAG
 3528 GCTGGAAACC AAAGCAATCA TCTCTTTAGT GGAAACTATT CTTAAAGAAG ATCTTGATGG
 3588 CTACTGACAT TTGCAACTCC CTCACTCTTT CTCAGGGGCC TTCACTTAC ATTGTACCA
 3648 GAGGTTTCGTA ACCTCCCTGT GGGCTAGTGT TATGACCATC ACCATTTTAC CTAAGTAGCT
 3708 CTGTTGCTCG GCCACAGTGA GCAGTAATAG ACCTGAAGCT GGAACCCATG TCTAATAGTG
 3768 TCAGGTCCAG TGTTCTTAGC CACCCCACTC CCAGCTTCAT CCCTACTGGT GTTGTATCA
 3828 GACTTTGACC GTATATGCTC AGGTGTCTCT CAAGAAATCA AATTTTGCCA CCTCGCCTCA
 3888 CGAGGCCTGC CTTTCTGATT TTATACCTAA ACAACATGTG CTCCACATTT CAGAACCTAT
 3948 CTTCTTCGAC ACATGGGATA ACGAGGCTTA TGTGCACGAT GCACCTGTAC GATCACTGAA
 4008 CTGCACGCTC CGGGACTCAC AGCAAAAAAG CTTGGTGATG TCTGGTCCAT ATGAACTGAA
 4068 AGCTCTCCAC CTCCAGGGAC AGGATATGGA GCAACAAGGT AAATGGAAAC ATCCTGGTTT
 4128 CCCTGCCTGG CCTCCTGGCA GCTTGCTAAT TCTCCATGTT TTAACAAAG TAGAAAGTTA
 4188 ATTTAAGGCA AATGATCAAC ACAAGTGAAA AAAAATATTA AAAAGGAATA TACAACTTTT

Fig. 2 (cont.)

7/19

4248 GGCCTAGAA ATGGCACATT TGATTGCACT GGCCAGTGCA TTTGTTAACA GGAGTGTGAC
 4308 CCTGAGAAAT TAGACGGCTC AAGCACTCCC AGGACCATGT CCACCCAAGT CTCTTGGGCA
 4368 TAGTGACGTG TCAATTCTTC CACAATATGG GGTCAATTGA TGGACATGGC CTAAGTGCCT
 4428 GTGGGTCTC TCTTCCTGTT GTTGAGGCTG AAACAAGAGT GCTGGAGCGA TAATGTGTCC
 4488 ATCCCCCTCC CCAGTCTTCC CCCCTTGCCC CAACATCCGT CCCACCCAAT GCCAGGTGGT
 4548 TCCTTGTAAG GAAATTTTAC CGCCCAGCAG GAACTTATAT CTCTCCGCTG TAACGGGCAA
 4608 AAGTTTCAAG TGCAGTGAAC CCATCATTAG CTGTGGTGAT CTGCCTGGCA TCGTGCCACA
 4668 GTAGCCAAAG CCTCTGCACA GGAGTGTGGG CAACTAAGGC TGCTGACTTT GAAGGACAGC
 4728 CTCCTCAGG GGAAGCTAT TTGCTCTCAG CCAGGCCAAG AAAATCCTGT TTCTTTGGAA
 4788 TCGGGTAGTA AGAGTGATCC CAGGGCCTCC AATTGACACT GCTGTGACTG AGGAAGATCA
 4848 AAATGAGTGT CTCTCTTTGG AGCCACTTTC CCAGCTCAGC CTCTCCTCTC CCAGTTTCTT
 4908 CCCATGGGCT ACTCTCTGTT CCTGAAACAG TTCTGGTGCC TGATTTCTGG CAGAAGTACA
 4968 GCTTCACCTC TTTCTTTTCC TTCCACATTG ATCAAGTTGT TCCGCTCCTG TGGATGGGCA
 5028 CATTGCCAGC CAGTGACACA ATGGCTTCCCT TCCTTCCTTC CTTCAGCATT TAAATGTAG
 5088 ACCCTCTTTT ATTCTCCGTT CCTACTGCTA TGAGGCTCTG AGAAACCTC AGGCCTTTGA
 5148 GGGGAAACCC TAAATCAACA AAATGACCCCT GCTATTGTCT GTGAGAAGTC AAGTTATCCT
 5208 GTGTCTTAGG CCAAGGAACC TCACTGTGGG TTCCCACAGA GGCTACCAAT TACATGTATC
 5268 CTAATCTCGG GGCTAGGGGT TGGGGTGACC CTGCATGCTG TGTCCCTAAC CACAAGACCC
 5328 CCTTCTTTCT TCAGTGGTGT TCTCCATGTC CTTTGTACAA GGAGAAGAAA GTAATGACAA
 5388 AATACCTGTG GCCTTGGGCC TCAAGGAAAA GAATCTGTAC CTGTCTGTAC TGTGAAAGA
 5448 TGATAAGCCC ACTCTACAGC TGGAGGTAAG TGAATGCTAT GGAATGAAGC CCTTCTCAGC
 5508 CTCCTGCTAC CACTTATTCC CAGACAATTG ACCTTCTCCC CGCCCCCATC CCTAGGAAAA
 5568 GCTGGGAACA GGTCTATTTG ACAAGTTTTG CATTAATGTA AATAAATTTA ACATAATTTT
 5628 TAACTGCGTG CAACCTCAA TCCTGTGCTA GAAAATTAAA TCATTTTGCC GATGTTATTA
 5688 TGTCCTACCA TAGTTACAAC CCCAACAGAT TATATATTGT TAGGGCTGCT CTCATTTGAT
 5748 AGACACCTTG GGAAATAGAT GACTTAAAGG GTCCCATTAT CACGTCCACT CCACTCCCAA
 5808 AATCACCACC ACTATCACCT CCAGCTTTCT CAGCAAAAGC TTCATTTCCA AGTTGATGTC
 5868 ATTCTAGGAC CATAAGGAAA AATACAATAA AAAGCCCCTG GAACTAGGT ACTTCAAGAA
 5928 GCTCTAGCTT AATTTTCACC CCCCCAAAAA AAAAAAATTC TCACCTACAT TATGCTCCTC
 5988 AGCATTTGGC ACTAAGTTTT AGAAAAGAAG AAGGGCTCTT TTAATAATCA CACAGAAAGT
 6048 TGGGGGCCCC GTTACAACCT AGGAGTCTGG CTCCTGATCA TGTGACCTGC TCGTCAGTTT
 6108 CCTTTCTGGC CAACCCAAAG AACATCTTTC CCATAGGCAT CTTTGTCCCT TGCCCCACAA
 6168 AAATTCTTCT TTCTCTTTCT CTGCAGAGTG TAGATCCCAA AAATTACCCA AAGAAGAAGA
 6228 TGGAAAAGCG ATTTGTCTTC AACAAGATAG AAATCAATAA CAAGCTGGAA TTTGAGTCTG
 6288 CCCAGTTCCC CAACTGGTAC ATCAGCACCT CTCAAGCAGA AAACATGCCC GTCTTCCTGG
 6348 GAGGGACCAA AGGCGGCCAG GATATAACTG ACTTCACCAT GCAATTTGTG TCTTCCATAA
 6408 GAGAGCTGTA CCCAGAGAGT CCTGTGCTGA ATGTGGACTC AATCCCTAGG GCTGGCAGAA
 6468 AGGGAACAGA AAGGTTTTTG AGTACGGCTA TAGCCTGGAC TTTCTGTGTTG TCTACACCAA
 6528 TGCCCAACTG CCTGCCTTAG GGTAGTGCTA AGAGGATCTC CTGTCCATCA GCCAGGACAG
 6588 TCAGCTCTCT CTTTTCAGGG CCAATCCCCA GCCCTTTTGT TGAGCCAGGC CTCTCTCACC
 6648 TCTCCTACTC ACTTAAAGCC CGCCTGACAG AAACCACGGC CACATTTGGT TCTAAGAAAC
 6708 CCTCTGTCAT TCGCTCCAC ATTCTGATGA GCAACCGCTT CCCTATTTAT TTATTTATTT
 6768 GTTTGTTTGT TTTGATTCAT TGGTCTAATT TATTCAAAGG GGGCAAGAAG TAGCAGTGTC
 6828 TGTAAGAGAG CCTAGTTTTT AATAGCTATG GAATCAATTC AATTTGGACT GGTGTGCTCT
 6888 CTTTAAATCA AGTCCTTTAA TTAAGACTGA AAATATATAA GCTCAGATTA TTTAAATGGG
 6948 AATATTTATA AATGAGCAAA TATCATACTG TTCAATGGTT CTGAAATAAA CTTACTGAA
 7008 GAAAAAATAA AAAGGGTCTC TCCTGATCAT TGACTGTCTG GATTGACACT GACAGTAAGC
 7068 AAACAGGCTG TGAGAGTTCT TGGGACTAAG CCCACTCCTC ATTGCTGAGT GCTGCAAGTA
 7128 CCTAGAAATA TCCTTGGCCA CCGAAGACTA TCCTCCTCAC CCATCCCCTT TATTTCTGTTG
 7188 TTCAACAGAA GGATATTCAG TGCACATCTG GAACAGGATC AGCTGAAGCA CTGCAGGGAG
 7248 TCAGGACTGG TAGTAACAGC TACCATGATT TATCTATCAA TGCACCAAAC ATCTGTTGAG
 7308 CAAGCGCTAT GTACTAGGAG CTGGGAGTAC AGAGATGAGA ACAGTCACAA GTCCCTCCTC
 7368 AGATAGGAGA GGCAGCTAGT TATAAGCAGA ACAAGGTAAC ATGACAAGTA GAGTAAGATA

Fig. 2 (cont.)

8/19

7428 GAAGAACGAA GAGGAGTAGC CAGGAAGGAG GGAGGAGAAC GACATAAGAA TCAAGCCTAA
7488 AGGGATAAAC AGAAGATTTC CACACATGGG CTGGGCCAAT TGGGTGTCGG TTACGCCTGT
7548 AATCCCAGCA CTTTGGGTGG CAGGGGCAGA AAGATCGCTT GAGCCCAGGA GTTCAAGACC
7608 AGCCTGGGCA ACATAGTGAG ACTCCCATCT CTACAAAAAA TAAATAAATA AATAAAACAA
7668 TCAGCCAGGC ATGCTGGCAT GCACCTGTAG TCCTAGCTAC TTGGGAAGCT GACACTGGAG
7728 GATTGCTTGA GCCCAGAAGT TCAAGACTGC AGTGAGCTTA TCCGTTGACC TGCAGGTCGA
7788 C

Fig. 2 (cont.)


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-5988 GTCGACCTGC AGGTCAACGG ATCTGAGAGG AGAGTAGCTT CTTGTAGATA ACAGTTGGAT
-5928 TATATAACCAT GTCCTGATCC CCTTCATCAT CCAGGAGAGC AGAGGTGGTC ACCCTGATAG
-5868 CAGCAAGCCT GGGGGCTGCA GCTTGGTGGG TAGAGGTACT CAGGGGTACA GATGTCTCCA
-5808 AACCTGCTCT GCTGCCCTTAG GGAGCTTCTA ATAAGTTGAT GGATTTGGTT AAAATTAAC
-5748 TGGCTACTTG GCAGGACTGG GTCAGTGAGG ACCAACAAAA AGAAGACATC AGATTATACC
-5688 CTGGGGGTTT GTATTTCTTG TGTTCCTTTC TCTTCCTTGT ACTAAAATAT TTACCCATGA
-5628 CTGGGAAAGA GCAACTGGAG TCTTTGTAGC ATTATCTTAG CAAAAATTTA CAAAGTTTGG
-5568 AAAACAATAT TGCCCATATT GTGTGGTGTG TCCTGTGACA CTCAGGATTC AAGTGTGGC
-5508 CGAAGCCACT AAATGTGAGA TGAAGCCATT ACAAGGCAGT GTGCACATCT GTCCACCCAA
-5448 GCTGGATGCC AACATTTTAC AAATAGTGCT TGCCTGACAC AAATGCAGTT CCAGGAGGCC
-5388 CAAATGAAAA TGTTTGTACT GAAATTTGTT AAAGCTTCCC GACAAACTAG ATTTATCAGT
-5328 AAGGATTGTT TTCTGCAAGG GGGATGAAAC TTGTGGGGTG AGCCATTTGG GCTGAGGAGG
-5268 AGGGAGGTTG GAGCTGAGAA ATGTGGAGAC AATTTCCCTT TAGAAGGACT GAATCTCCCT
-5208 GCCTCTCTGG GGTGCGGCAG CCAGCAGGAT CCAATGGTGT ATATGTCTCC CCAGCTCCCC
-5148 ATTCAGTGAT ATCATGTCAG TAGCTTGAAA TTATCCGTGG TGGGAGTATT ATGTCATGGA
-5088 AATTGGCAAA TGGAAACTTT TATTGGAGAT TCAATTGTTA AACTTTTACC AGCACAACAC
-5028 TGCCCTGCCT TCAGAGTCAA TGACCCATC CAAGTTTAAT CCATCTGTCC ACTGTCTCCA
-4968 ACACGATCTT TATAAAACAC ACCTGACAAC ATTACCCTTT TATTCAGTTT TTTAAAAGAT
-4908 AAGTTTCCAG CTCATCGGGG TGGCTTTAAA GGCCATTTCT CCTCTGGACC TCACCCAACT
-4848 TTTCAAATCA CTTTTCTTAC CCCTACCTCT AAATGCTACT CAAACTCCAG CCATCCTGAA
-4788 TAATAAGACT TTTGAAAAGT AGATTATGGG CTGGGCACAG TGGCTCACAC CTGTAATCCC
-4728 AGCACTTTGG GAGGCCAAGA TGGGTGGATC ACCTGAGGTC GGGAGTTCGA GACCAGCCTG
-4668 ACTAACATAG TGAAACCCTG TCTCTACTAA AAATACAAAA TTAGTTGGGG GTGGTGGCAC
-4608 AAGCCTGTAA TCCCAGCTAC TCAGGAGGTT GAGGCAGGGG AATTGCTTGA ACCTGGGAGG
-4548 CGGAGGTTGC GGTGAGCCTA GATTGCTCCA CTGCACTCCA GCCTGGGCAA CAAGAGCGAA
-4488 ACTCCATCTC AAAAAATAA ATAAATAAAT AAAGTAGATT ACATCAGATA CCTCTGGCCT
-4428 AGGTGTGTTA TGACCAACTC TCCTGCTGAG AATAACTAGA AAAGCTAGAC AAAACATATT
-4368 TCCAAAAGAT CTCTTTGGAG GCATCAGAGA ATGGCCAAGG CTGTAAGGAA CTGCCTGAGC
-4308 CCAGAGAGGT GGAGCCCAGC ACTGGTGCCC TTTACTCCTG GGGACATGTG CTGGTTTCAA
-4248 AAACCTCAGC TGAGCTTTTG AGCATTTCATG GAACTTGGTG GGGGAGATGA AATTTGTACC
-4188 TTAAATCCTG CCTACAGGGA GGGTCCCCTGA TAATCCCCAC CCAATTTGGA AATCTGGGTC
-4128 AGCCTTCACA GGTACTGAAG CCCTCCCTCTG AATGATCTCA AGTCCTGCTA GGGTAGAGGT
-4068 TACCTGCTTT TGAAAGGCTC CTGGCCTACC TGTGCAGCAG GAGCAAAAGT GAACCATCTC
-4008 AGGGTACAGA TAACAATCAT CCAGAGCCTT GAATGACCTC TACTGTGCTT AATATATAGT
-3948 ATTCAGCAGT CAGTAAAAAG GATTTAGGCA CATGCAAGAT GACCTGTGTA TCAGGGAGAA
-3888 ATAGGCAATA AATTGAGATC CAGCAGGGAT TTGAATCATG GATTTGAATC AGGGGCAGCC
-3828 TTCGAAAGAA CTATGGAGAA TATACTCAGA TTTAAAACAT AAGATTGGAA TTTTGGCAG
-3768 AGAACTAACA ACTGTACAAA AAAGGAACCA AATGGAAATC CTAGAACTGA AAGATGCAAT
-3708 TAACCGATGT TGAGAAATAG CCAACATCTA TTGAACACTT CCCATGTGGA CAGCTGTGCT
-3648 AAACACTTTA CAGGCATCAA CATAAGATGT GTCCCCTTAC AGCAGTGCAG TGTCCCTCCT
-3588 AAGACATGGA CAGCCTGGTT TCCCTATCTC TCTGCTTCAT CAAAACCCCT TTACGTGGGG
-3528 CTTAGACACT CCTGTTGTCT CTAGTGTCTA GTAGCACAGG GCTCAGCACA TGGAAGCCAC
-3468 TAGATACAAT TTGATGACCA GGACCTCCGA TGAAAGCCAT GGGTGTCTGAT TGGAAGGCCA
-3408 TTGTCTTTTA TGTGCTATGG TCTTAAAGCT TCATCCAGGA AGCAGAACTC GGGGGGTGCT
-3348 GAGGACCCAG AACCGAGAAT AAGATTAGTC AGAGATTTCC TGTGGGCAGA AATCATAAGG
-3288 ACGCCAACCTG TTTGGGTGAG ATAAGACGAA ACCAAGAGTG GACTTGTGGC CAGAAGCGTG
-3228 AGGAAGAGGG AGAGAGCTTC CTTGTCCCC TTTCTTCCTC TCCCTAAGCC ACAGTGATTG
-3168 ACAGCCCCC CGCTTTGGAG TCAGAGCAGG CTTGAGACTG GACTGGGAAA GGAGGGTGGG
-3108 TCAGGATACA GAGCAGGAAG GCTGGGAGTG CAGGGCAGGA GCAAGGGGCT GGGGCATTCA
-3048 TTGTGCCTGA TCTCTCCAC TTTACCTGGG GTAAAGAAGC ATATGCAAAA GCCACGGTGT

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Fig. 3

10/19

-2988	GAGTATTTCC	CAAGTGCCAG	GGTCAGGGCA	TGATTCATCA	CGTGCAGCAT	TTCATTCAAT
-2928	CCTTATAGTA	ACCGATGATG	TGGCTTCTAT	TATTAGCTCT	ATCAGATAAT	GAAACTGAGA
-2868	CCAAGACAGG	CTCTGCACAT	TGTGTGGGGT	AATGACACAG	GGGGATTTCAG	ACCTAGACTC
-2808	CATAACTCCT	GCCCCAGGGA	CCACCCCCAC	CCTCACCCCTG	TGCATGTCGA	CAAAGGACAG
-2748	ACTGGGCCAC	TTCTCAGGAC	ACAGCGGGGA	AATGACACAG	AGCAGGGAGG	TTCCAGGAGC
-2688	CCCAGCGTC	TTTTCTCCAG	GAGAATACTC	TCTGAATTCA	GA CTGGGGTCT	AGAGAAACAT
-2628	TTACCCAGGA	GCCGCAGTGT	GGGTGGGGCT	TTTTACTTGA	AACGCTGTCT	GAAGGCAGTG
-2568	GCAGGATGAA	CTCTCCACCC	TACCTTGGCA	AGCCACTTCT	CTTCTGCAAT	CTGTAAGGAC
-2508	ATTGTTGAGA	GAATTATGGT	CTTCCAATTC	CGGAGGGTTG	AAGAAAGACA	AATAGGAGAG
-2448	AACCTATCAT	AGTCAGGTGC	TAGCTGCCTT	CTCTTTTCAGA	GAGTGTGAGA	ATAAAGTGAT
-2388	ACACTTGATT	ATTAGCAAAT	ACTTTGAAAA	TTTTAAACGC	TAATATTCAA	CACACTCTGG
-2328	AAGAGGCAAA	TAAGTAGACA	GGTTCATATA	CATCATCTCC	TTCAGCTAGT	CCTCACAAAA
-2268	ACAAACAAAT	GAATAAACAA	AATTCTTCTT	TGGCCCTCAT	AGGAAGACAC	TGTTTCTTGA
-2208	ACGTGTTTCA	AAAAGGATGG	GTGACTCACT	CAAGGTCACA	CTGTTTATGA	GGACAGTACA
-2148	GGAATACAGA	CATGCCATTT	TGCCTGAAAA	AATCCATCAC	CCAGGGAGGT	GACACAATTT
-2088	TGCAGAAATG	TTCTATTTCC	TCTGAAGGAT	ACATTCTTTA	AACCTTTGGG	AAATTCATTC
-2028	ATAGTCTTCC	TCCTTTGAAG	GATTACTCTC	TGGACACAAA	GTGTTTGATT	CTGATTTGTT
-1968	GGTTGGAAGA	TGTGTTGGTT	GAGAGAAAGA	TTCTGATTTG	TTGGTTGAAA	ATAGACTCAT
-1908	CAAGATCAAC	TGCTGTAGTA	GTAAATATTT	TGACATTTTG	TCTGTATTCC	TGTGCTGCCC
-1848	TCACAAGCTG	CATCACCTTG	AGTGAGTCAT	TCATACTTTT	TTGTTTGTTT	TTGTTTTGGA
-1788	GATGGAGTCT	TACTCTGTTG	CCTAGGCTGG	AGTGCGGTGG	CGTGATCTTG	GCTCACTGCG
-1728	ACCTCCATCT	CCTGGGTTCA	AGTGATCCTC	CTGCCTCAGC	CTCCCGAGTA	CTGGGGATTA
-1668	CAGGCACATG	CCACCATCCC	TGCTAATTTT	TGCATTTTCA	GTAGAGACGG	AGTTTCACCA
-1608	TGTTGGTCAG	GTTGGTCTTG	AACTCCTGAC	CTCAGGTGAT	CCGCCACCT	CAGCCTCCCC
-1548	AAGTGCTGGG	ATTACAGGTG	TGAGCCACCG	TGCCCAGCCC	AGCCATCATT	TTTGAAACAC
-1488	GTTTGAGAAA	TAGTGCTTTC	CTTTGAGGGC	CAAGGAGACA	TTTTTTTTTGT	TTATTTGTTT
-1428	GTTTTTGTGA	GGACTAGCTG	AAGGGGGTGA	TGTATATTAA	CCTGCCTACT	TATTTGCCTC
-1368	TTCCCAAGT	GTGATGAATA	TTAGGGTTTA	AAGTTTCTGA	AGCATTTGTT	AATAAAGCCC
-1308	GGGGCTGGAG	GTCAGAAGAC	CTGGATTTCT	CTGCATACTT	TTGCCATCAG	CAAGCTGTGT
-1248	GACCTTGGAC	AGATCCCCTT	TTTGTCTAAA	TCTTTCTGAG	TCTTCTTGAA	AACAATGCCA
-1188	GGTTGGGACA	GGATGATTGC	CAAGTCCCG	TCCAGCTCTA	AAACACTGCA	ACGTATGCTT
-1128	CTGCACCAGC	ACTGTCCATC	CTGTAGATCA	TGCAGAAATT	CTCTTCAACT	TTTTCTTACC
-1068	CATAAAATAG	GAGCATGCTT	ACCTTTTTTCC	TAATGTTCCA	GGCCCCGGGT	CTAGATATTG
-1008	TAAGTAAGGA	AGTTAATGTG	TATCAGAGCC	CATTATGGGC	CAGAAGTTCT	CCTCTTCCTT
-948	CCTACACCTG	CTTCCTCCCT	CCCTCCCTCC	CTCTTTCCCT	TCCTTCCTTC	CATCCATTTG
-888	TGAAGAAGAC	ATGATCACCC	TCATTCTGAG	AGTGAAGAGA	CAGAGGCTCA	ACTAATGAAA
-828	TGATTTGTTC	AAGGTCACAC	GGGTGGCACA	AGGCAAGTGG	CAGAGGTTGA	ATTTAGACCC
-768	ATTCTGTGCC	AAATGCTGAG	TTTATGTCAT	CGTCCCGAGA	CCATAACTTT	AAAGATGTAA
-708	GATAGTGGGA	AAAGAGTTGA	TTTCAAAGCA	CCTCTCAGAA	GGACTCACTT	TACATCAGGG
-648	GTCAGCAGAC	TCAGGCCAAA	TCCGGTCCAT	TCCCCGCTTT	TGCAAAGAAA	GTTGTAGTGG
-588	AACACAGCTA	GGCTTATTGA	TTTATGGATT	GCCAACGTCC	TTTTTGTGAAA	CAGACAGCTG
-528	AGCTGAGTAA	TCGTGGCGCA	CAAAACCTAA	AATATTTACT	ATCTCGTCCT	TTACAGAATG
-468	TTTGCCAATC	TATGGTCCGG	AGTCCAAGGC	TGTCCATTTT	TCAAAGAACA	CAAAGTGACA
-408	TGAGACTGTC	CCATGTGCAG	GGAGCCCTAT	CATTTTATTA	TGAAAAAACG	GCCTTTCTGC
-348	TCAAATCTGT	TTTTTTAAAA	GTCAACAAAC	AGACTCTGGG	TACCTGTCAG	GAACAGTAGG
-288	GAGTTTGGTT	TCCATTGTGC	TCTTCTTCCC	AGGAACTCAA	TGAAGGGGAA	ATAGAAATCT
-228	TAATTTTGGG	GAAATTGCAC	AGGGGAAAAA	GGGGAGGGAA	TCAGTTACAA	CACTCCATTG
-168	CGACACTTAG	TGGGGTTGAA	AGTGACAACA	GCAAGGGTTT	CTCTTTTGGG	AAATGCGAGG
-108	AGGGTATTTT	CGCTTCTCGC	AGTGGGGCAG	GGTGGCAGAC	GCCTAGCTTG	GGTGAGTGAC
-48	TATTTCTTTA	TAAACCACAA	CTCTGGGCCC	GCAATGGCAG	TCCACTGCCT	GCTGCAGTCA
13	CAGAATGGAA	ATCTGCAGAG	GCCTCCGCAG	TCACCTAATC	ACTCTCCTCC	TCTTCCTGTT
73	CCATTCAGAG	ACGATCTGCC	GACCTCTGCG	GAGAAAATCC	AGCAAGATGC	AAGCCTTCAG
133	GTAAGGCTAC	CCCAAGGAGG	AGAAGGTGAG	GGTGGATCAG	CTGGAGACTG	GAAACATATC

Fig. 3 (cont.)

11/19

193 ACAGCTGCCA GGGCTGCCAG GCCAGAGGGC CTGAGAACTG GGTTTGGGCT GGAGAGGATG
 253 TCCATTATTC AAGAAAGAGG CTGTTACATG CATGGGCTTC AGGACTTGTG TTTCAAATA
 313 TCCCAGATGT GGATAGTGC ACCGGAGGGC TGTCTTACTT TCCCAGAGAC TCAGGAACCC
 373 AGTGAGTAAT AGATGCATGC CAAGGAGTGG GACTGCGATT CAGGCCTAGT TGAATGTGCT
 433 GACAGAGAAG CAGAGAGGGG CACCAGGGGC ACAGCCCGAA GGCCAGACT GATATGGGCA
 493 AGGCCTGTCT GTGCTGACAT GTCGGAGGGT CCCACTCTCC AGGGACCTTG GTTCCCCCGT
 553 CTGTGACATC TGTGACATGA GAGTCACGAT AACTCCTTGT GTGCCTTACA GGGTTGTTGT
 613 GAAAATTAAA TGCACAGATA ATAGCGTAAC AGTATTCCGT GCATTGTAAA GAGCCTGAAA
 673 ACCATTATGA TTTGAAAATG GAATCGGCTT TGTGAGACCA TCACTATTGT AAAGATGTGA
 733 TGCTGATAGA AATGACAGGA CTGCTTGTGC ATGCCCTCTG CAGTGTGACA TTCCAGCAGT
 793 GAAATCATGT TGGGGTGACT TCTCCCCCAC TCTGACCTTT ATGTTTGTCT GGGCCGAGGC
 853 TGCAAGTCGG GCTCTGTGGG TGTATGAGTG ACAAGTCTCT CCCTTCCAGA TATGGGGACT
 913 GTCTGCTTCC CTAGGTTGCC TCTCCCTGCT CTGATCAGCT AGAAGCTCCA GGAGATCCTC
 973 CTGGAGGCCC CAGCAGGTGA TGTTTATCCC TCCAGACTGA GGCTAAATCT AGAACTAGG
 1033 ATAATCACAA ACAGGCCAAT GCTGCCATAT GCAAAGCACT TTGGTTTGCC TGGCCACCCC
 1093 TCGTCGAGCA TGTGGGCTCT TCAGAGCACC TGATGAGGTG GGTACAGTTA GCCACACTTC
 1153 ACAGGTGAAG AGGTGAGGCA CAGGTCCAG GTCAGGCTGG CCGGAGCTCT GTTATTACG
 1213 TCTCACAGCT TTGAGTCCTG CTCTCAACCA GAGAGGCCCT TTACCAAGAA GAAAGGATTG
 1273 GGACCCAGAA TCAGGTCACT GGCTGAGGTA GAGAGGAAGC CGGGTTGTTT CCAAGGGTAG
 1333 CTGCTCCTGC AGGACTCTGA GCAGGTCACC AGCTAATGGA GGAAGGCTC TAGGGAAAGA
 1393 CCCTTCTGGT CTCAGACTCA GAGCGAGTTA GCTGCAAGGT GTTCCGTCTC TTGAAACTTC
 1453 TACCTAGGTG CTATGGTAGC CACTAGTCTC AGGTGGCTAT TTAAATTTAT ACTTAAATGA
 1513 ATGAAAATAG AAGAAAATTT AAAATCCAGA CCCTTGGTCA CACTATCCAC ATTTAAAGAG
 1573 GTCAATAGCC ACATGTGGTT AGTGGCCACC CTATTGGGCA GTGCAGCTAC AGAACATTTT
 1633 TGCATCCCAG AAAGTTCTTT TGGATGTTGC TGCTCTACAG CATGCTTTGC TGAAACAGAA
 1693 GTGCCTTCCC TGGAATCTC AGCTGTGAGG GTTGGGCTG CCTCTTAACC ATTTGTCAGC TCAGTCTTCT
 1753 ACTGCTCACC AGCTGTGAGG GTTGGGCTG CCTCTTAACC ATTTGTCAGC TCAGTCTTCT
 1813 CATCCATGCA TGCCGTGGGT ATACTAAAAT ACTATACCCC TGGAAGAGCT GGATGCAAAT
 1873 TTGACAAGTT CTGGGGGACA CAGGAAGGTG CCAAGCACAA GGCTGGGCAC ATGGTGGCTG
 1933 TGCACTACAG CTGAGTCCTT TTCTTTTCA GAATCTGGGA TGTTAACCAG AAGACCTTCT
 1993 ATCTGAGGAA CAACCAACTA GTTGCTGGAT ACTTGCAAGG ACCAAATGTC AATTTAGAAG
 2053 GTGAGTGGTT GCCAGGAAAG CCAATGTATC TGGGCATCAC GTCACCTTGC CCGTCTGTCT
 2113 GCAGCAGCAT GGCCTGCCTG CACAAACCCT AGGTGCAATG TCCTAATCCT TGTTGGGTCT
 2173 TTGTATTCAA GTTTGAAGCT GGGAGGGCCT GGCTACTGAA GGGCACATAT GAGGGTAGCC
 2233 TGAAGAGGGT GTGGAGAGGT AGAGTCTAGG TCAGAGGTCA GTGCCTATAG GCAAGTGGTC
 2293 CCAGGGCCAC AGCTGGGAAG GGCAATACC AGAAGGCAAG GTTGACCATT CCCTTCCTCA
 2353 AGTGCCTATT AAGGCTCCAT GTTCCTATGT TGTTCAAACC CTAACCTCAAT CCCAAATTAA
 2413 TCCACCATGT ATAAGGTTGA GCTATGTCTC TTATTCTTGG ACACCATACT CAGCCATATC
 2473 TGGTCCACAC ATTAACAGCT GGATGACCTT GAAGAAGCTT CACCCACTCT GTTCCTCAGC
 2533 TTTCCTTCA GTGGGATGAT ATCAACTGGA CAACAGGATG TGCGATTCTT TTAGTTCCAG
 2593 CCTTCCAGGA TGTTTTCACT CCCCTGTTTG TTGTTGTAGG ATGGTATTAC CTCCACCTTC
 2653 CCACCTTCCC TATGCCCTGG TTCTGTCTCC TGTGCCTCGC TCTGAAAGTG GATGAGACCT
 2713 ACAATTCCTG TCCTGGTAGT TCTCCTAATG AACACACTGA AGCACGAGGA AGCTGAGATT
 2773 TTTGTTGCTA CATGAGAGCA TGGAGGCCTC TTAGGGAGAG AGGAGGTTCA GAGACTCCTA
 2833 GGCTCCTGGT GGAGCCCCAC TCATGGCCTT GTTCATTTTC CCTGCCCTC AGCAACACTC
 2893 CTATTGACCT GGAGCACAGG TATCCTGGGG AAAGTGAGGG AAATATGGAC ATCACATGGA
 2953 ACAACATCCA GGAGACTCAG GCCTCTAGGA GTAACGGGT AGTGTGCATC CTGGGGAAAG
 3013 TGAGGGAAAT ATGGACATCA CATGGAACAA CATCCAGGAG ACTCAGGCCT CTAGGAGTAA
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 3133 CAGGAGACTC AGGCCTCTAG GAGTAACTGG GTAGTGTGCA TCCTGGGGAA AGTGAGGGAA
 3193 ATATGGACAT CACATGGAAC AACATCCAGG AGACTCAGGC CTCTAGGAGT AACTGGGTAG
 3253 TGTGCTTGGT TTAATCTTCT ATTTACCTGC AGACCAGGAA GATGAGACCT CTCTGCCCTT
 3313 CTGACCTCGG GATTTTAGTT TTGTGGGGAC CAGGGGAGAT AGAAAAATAC CCGGGGTCTC

Fig. 3 (cont.)

12/19

3373	TTCATTATTG	CTGCTTCCTC	TTCTATTAAC	CTGACCCTCC	CCTCTGTTCT	TCCCCAGAAA
3433	AGATAGATGT	GGTACCCATT	GAGCCTCATG	CTCTGTTCTT	GGGAATCCAT	GGAGGGAAGA
3493	TGTGCCTGTC	CTGTGTCAAG	TCTGGTGATG	AGACCAGACT	CCAGCTGGAG	GTAAAAACAT
3553	GCTTTGGATC	TCAAATCACC	CCAAAACCCA	GTGGCTTGAA	ACAACCAAAA	TTTTTTCTTA
3613	TGATTCTGTG	GGTTGACCAG	GATTAGCTGG	GTAGTTCTGT	TCCATGTGGT	GGAACATGCT
3673	GGGGTCACTT	TGGAAGCTGC	ATTCAGCAGA	GTGCCAGGCT	TGCGCTGGGC	ATCCAAGGTG
3733	GTCCCTCATC	CTCCAGGCTC	TCTTTCCATG	TGATCTCTCA	GTGTTTAAGA	GTTAGTTGGA
3793	GCTTCCTTAC	AGCATGGCGG	CTGACTTCCA	AAAGGGATTA	TTCCAAAAAG	AGCCTCAACA
3853	TGCAGGCGCT	TATTATGACT	TCTGCTTGCA	TCATCCTATT	GGCCAAAGCC	AGTCACGTGG
3913	CTAAGTCTAG	CCCCCTGTGA	GAGGAGACTG	CATAAGAGTG	TGAACACCAG	GAGACACGGT
3973	CACTGGGGGC	CACCACTGTA	ACCATCTACC	ACAGGACCTG	AATCTCTGTG	TGCTACTCCC
4033	TTGCTCAAGG	GCCCCCTAC	CCACGCAGAC	CTGCTGTCTT	CTAGCAAAGC	CCATCCTCAG
4093	GACCTTTCTC	TTCCAATCCT	TATTGACTCA	AATTGATTAG	TTGGTGCTCC	ACCCAGAGCC
4153	CTGTGCTCCT	TTATCTCATG	TAATGTTAAT	GGGTTTCCCA	GCCCTGGGAA	AACATGGCTT
4213	TGTCTCAGGG	GCTTGCTGGA	TGCAACCTTA	ACCTCAATGT	GAGTGGCCAT	ACTGTGGCAC
4273	TGTCCCATCC	CTCACCAGGG	ACACTGTTCT	GGAGGGTGAC	TGCCTGTTCT	GTGAGGAGTG
4333	GGGATGGCTA	GGACATTGCA	TGGAACACAC	CACCACCCCA	TCTTCTCAGA	GCTCAAACCC
4393	TGACAGAACA	CCAGCTCCAC	AGGCCTTGGC	TTCTGCTGAT	GGTGCCGTGT	ATTTACCAGA
4453	CTTAGTGGTG	CAAGGCCAGA	GTGGCAGATT	TCCCAAAGTC	AAGGTGTGAC	AGTGGGACAG
4513	CCTCTTTGTG	TCTTTGCTGT	CCTAAGAAAC	CTGGGCCAGG	CCAGGCGCAG	TGGCTCACGC
4573	CTTGTAATCC	CAGCACTTTG	AGAGGCCAAG	GTGGGCAGAT	CACGAGGTCA	GGAGTTTGAG
4633	ACCAGCCTGG	CCAACATTGG	TGAAACCCTG	TCTCTATTAA	AAATAGAAAA	CATTAGACAG
4693	GTGTGGTGGT	GCATGCCTGT	AATCCCAGCT	ACTCAGGAGG	CTGAGGCAGG	AGAATCGCTT
4753	GAACCCAGGA	GGTGGAGGTT	GCAGTGAGCC	GAGATTGTGC	CACTGCACTC	CAGCCTAGGC
4813	GACAGAGCAA	GACTCCGTCT	CGGGAAAATT	AATTAATAAA	TAAATAAACC	TAGGTCCCAG
4873	AGTCCACAG	AATGGCAGAC	AGGAGCACCT	GGGGGCTTTT	AGGGTATGGC	ATTTCCCCTG
4933	TACTAACTCT	GGGCTGTCCA	GAGGCGATTT	CATGGCGTGG	AGTGGAGAGG	GAGGCAGCAC
4993	AGGACTTCCT	AGGCCTCAGC	TCTCACCTGC	CCATCTTTTG	ATTTCCAGGC	AGTTAACATC
5053	ACTGACCTGA	GCGAGAACAG	AAAGCAGGAC	AAGCGCTTCG	CCTTCATCCG	CTCAGACAGT
5113	GGCCCCACCA	CCAGTTTGA	GTCTGCCGCC	TGCCCCGGTT	GGTTCCCTCTG	CACAGCGATG
5173	GAAGCTGACC	AGCCCGTCAG	CCTCACCAAT	ATGCCTGACG	AAGGCGTCAT	GGTCACCAAA
5233	TTCTACTTCC	AGGAGGACGA	GTAGTACTGC	CCAGGCCTGC	CTGTTCCCAT	TCTTGATGG
5293	CAAGGACTGC	AGGGACTGCC	AGTCCCCCTG	CCCCAGGGCT	CCCGGCTATG	GGGGCACTGA
5353	GGACCAGCCA	TTGAGGGGTG	GACCCTCAGA	AGGCGTCACA	ACAACCTGGT	CACAGGACTC
5413	TGCCTCCTCT	TCAACTGACC	AGCCTCCATG	CTGCCCTCCAG	AATGGTCTTT	CTAATGTGTG
5473	AATCAGAGCA	CAGCAGCCCC	TGCACAAAGC	CCTTCCATGT	CGCCTCTGCA	TTCAGGATCA
5533	AACCCCGACC	ACCTGCCCAA	CCTGCTCTCC	TCTTGCCACT	GCCTCTTCCT	CCCTCATTC
5593	ACCTTCCCAT	GCCCTGGATC	CATCAGGCCA	CTTGATGACC	CCCAACCAAG	TGGCTCCCAC
5653	ACCCTGTTTT	ACAAAAAAGA	AAAGACCAGT	CCATGAGGGA	GGTTTTTAAG	GGTTTGTGGA
5713	AAATGAAAAT	TAGGATTTCA	TGATTTTTTT	TTTTCAGTCC	CCGTGAAGGA	GAGCCCTTCA
5773	TTTGGAGATT	ATGTTCTTTC	GGGGAGAGGC	TGAGGACTTA	AAATATTCCT	GCATTTGTGA
5833	AATGATGGTG	AAAGTAAGTG	GTAGCTTTTC	CCTTCTTTTT	CTTCTTTTTT	TGTGATGTCC
5893	CAACTTGTA	AAATTAAG	TTATGGTACT	ATGTTAGCCC	CATAATTTTT	TTTTTCCTTT
5953	TAAAACACTT	CCATAATCTG	GACTCCTCTG	TCCAGGCACT	GCTGCCCAGC	CTCCAAGCTC
6013	CATCTCCACT	CCAGATTTTT	TACAGCTGCC	TGCAGTACTT	TACCTCCTAT	CAGAAGTTTC
6073	TCAGCTCCCA	AGGCTCTGAG	CAAATGTGGC	TCCTGGGGGT	TCTTTCTTCC	TCTGCTGAAG
6133	GAATAAATTG	CTCCTTGACA	TTGTAGAGCT	TCTGGCACTT	GGAGACTTGT	ATGAAAGATG
6193	GCTGTGCCTC	TGCCTGTCTC	CCCACCAGGC	TGGGAGCTCT	GCAGAGCAGG	AAACATGACT
6253	CGTATATGTC	TCAGGTCCCT	GCAGGGCCAA	GCACCTAGCC	TCGCTCTTGG	CAGGTACTCA
6313	GCGAATGAAT	GCTGTATATG	TTGGGTCGAA	AGTTCCCTAC	TTCTGTGAC	TTTCTGCTCTG
6373	TTTTACAATA	AAATCTTGAA	AATGCCTATA	TTGTTGACTA	TGTCCCTGGC	CTTGACAGGC
6433	TTTGGGTATA	GAGTGCTGAG	GAAACTGAAA	GACCAATGTG	TYTTYCTTAC	CCCAGAGGCT
6493	GGCGCCTGGC	CTCTTCTCTG	AGAGTTCTTT	TCTTCCCTCA	GCCTCACTCT	CCCTGGATAA
6553	CATGAGAGCA	AATCTCTCTG	CGGGG			

Fig. 3 (cont.)

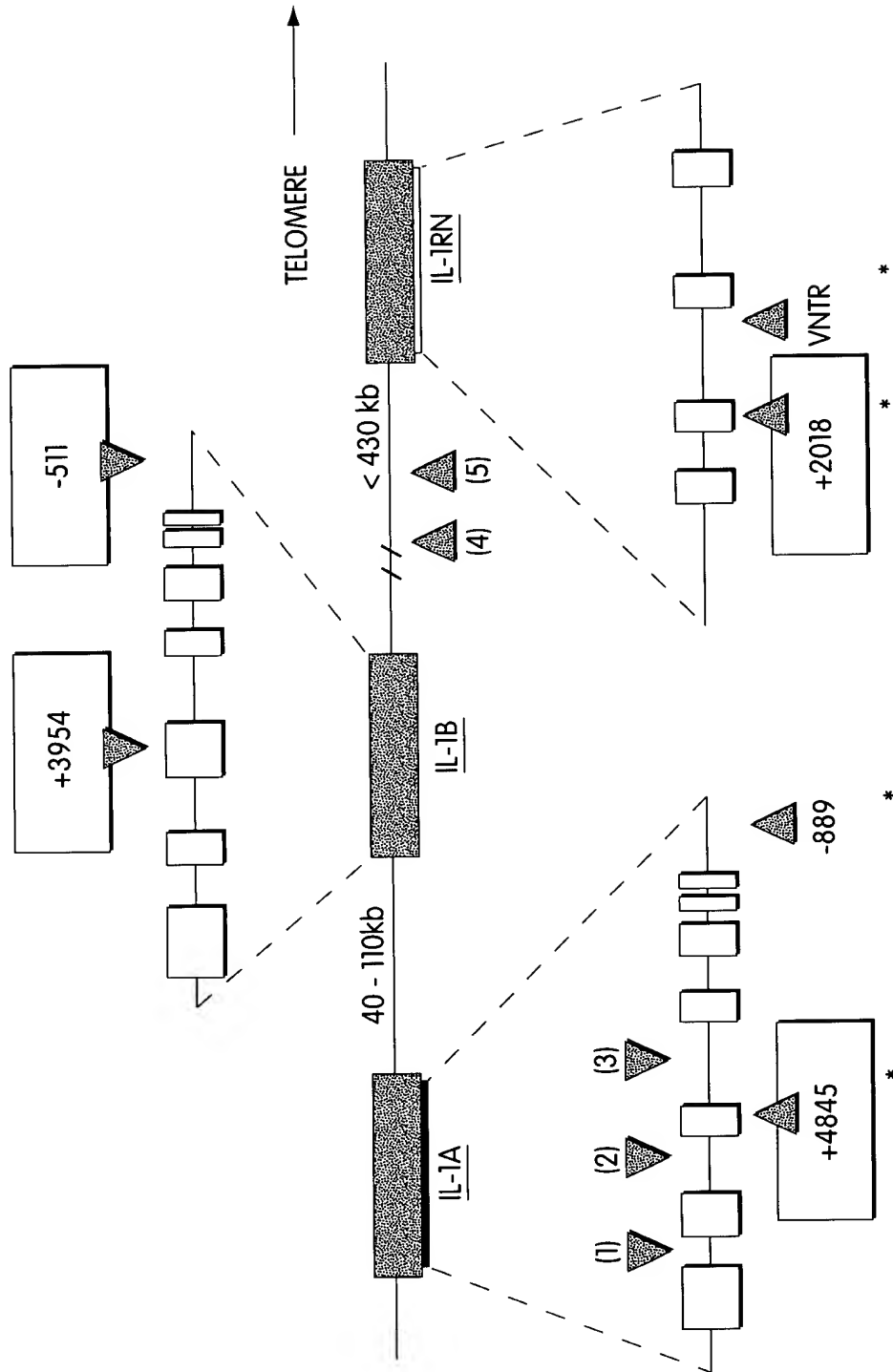


Fig. 4

	A(+4845)	B(+3954)	B(-511)	RN(+2018)
A(+4845)	----- ↑	0.804 ↑	-0.264 ↑	-0.207 ↑
B(+3954)	0.804 ↑	----- ↑	-0.617 ↑	-0.439 ↑
B(-511)	-0.264 ↑	-0.617 ↑	----- ↑	0.448 ↑
RN(+2018)	-0.207 ↑	-0.434 ↑	0.448 ↑	----- ↑

Fig. 5

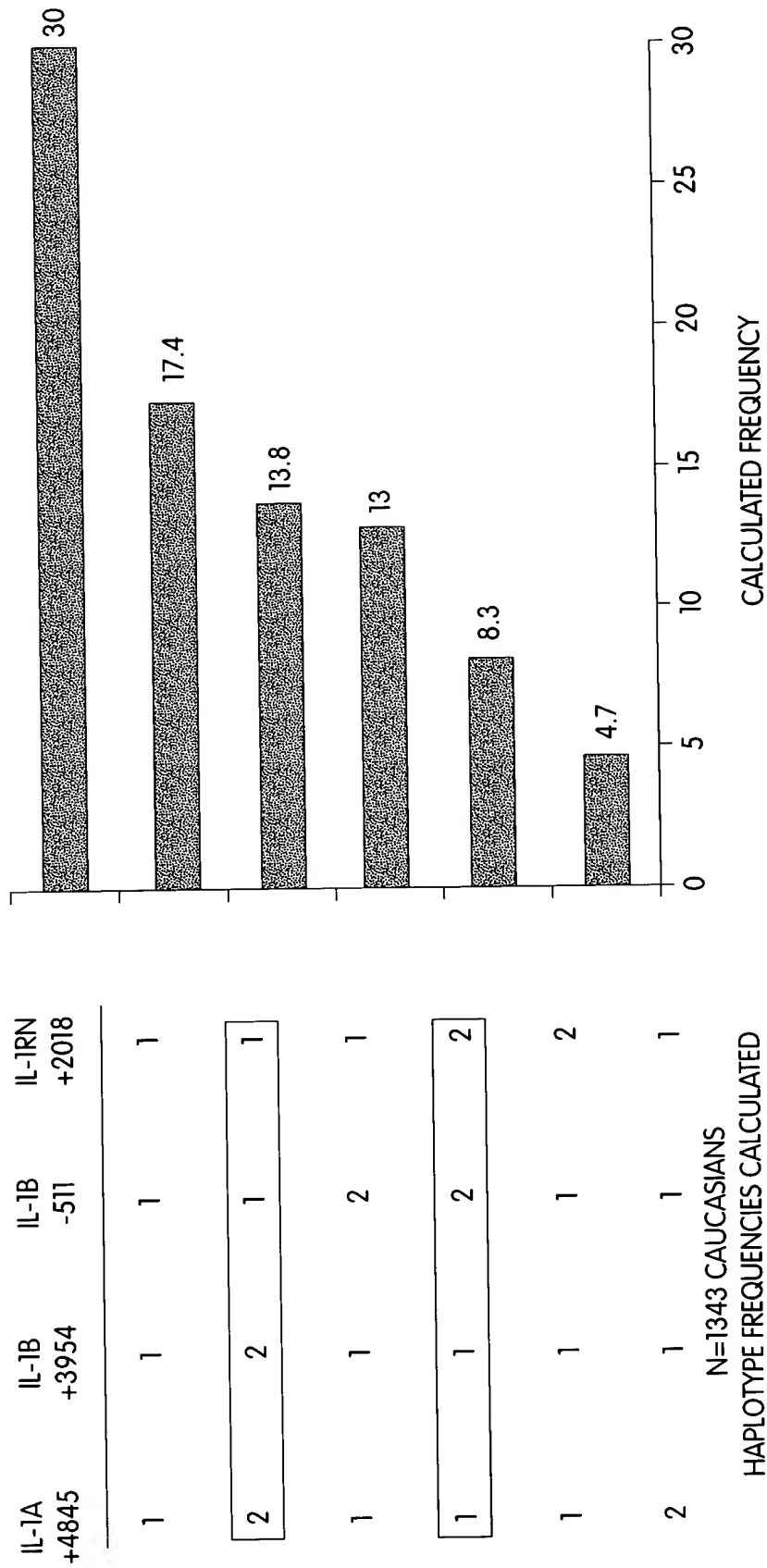


Fig. 6

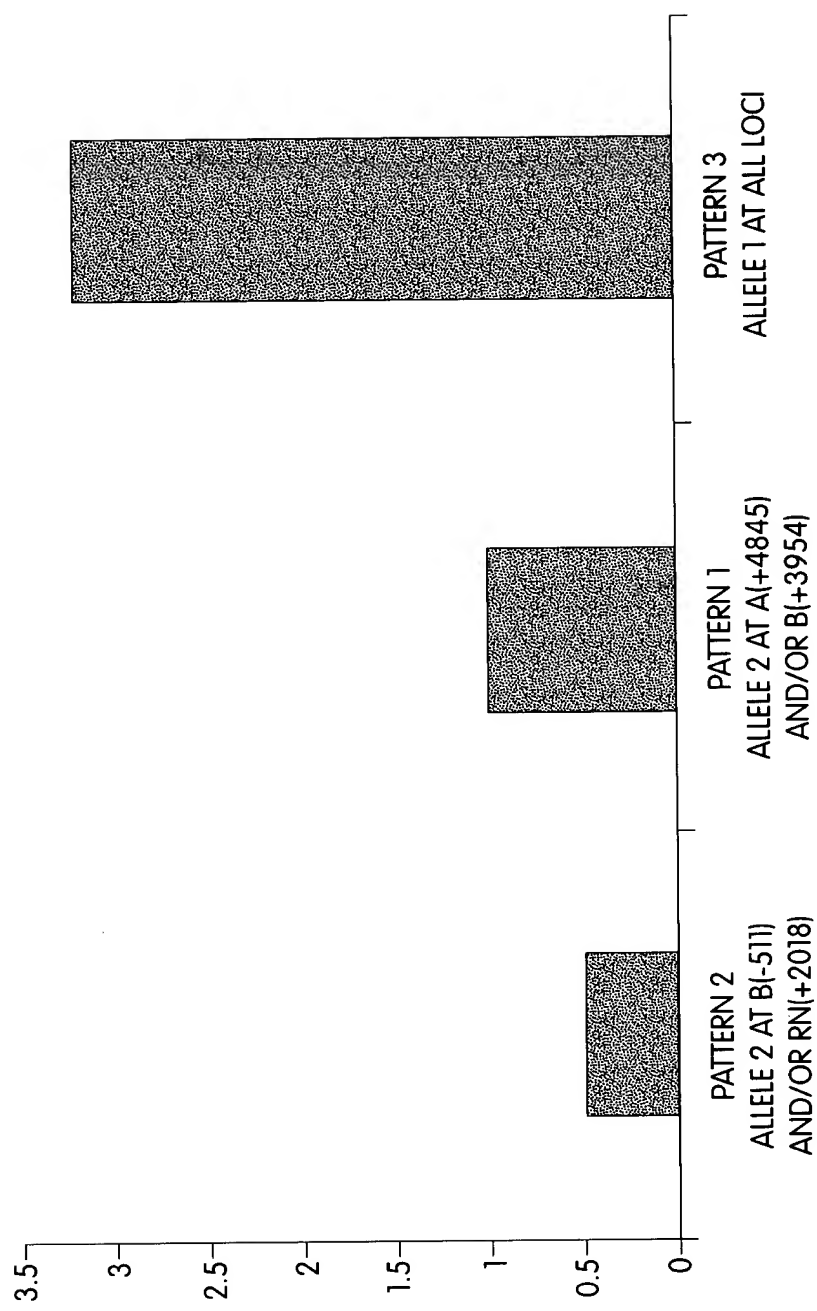


Fig. 7

17/19

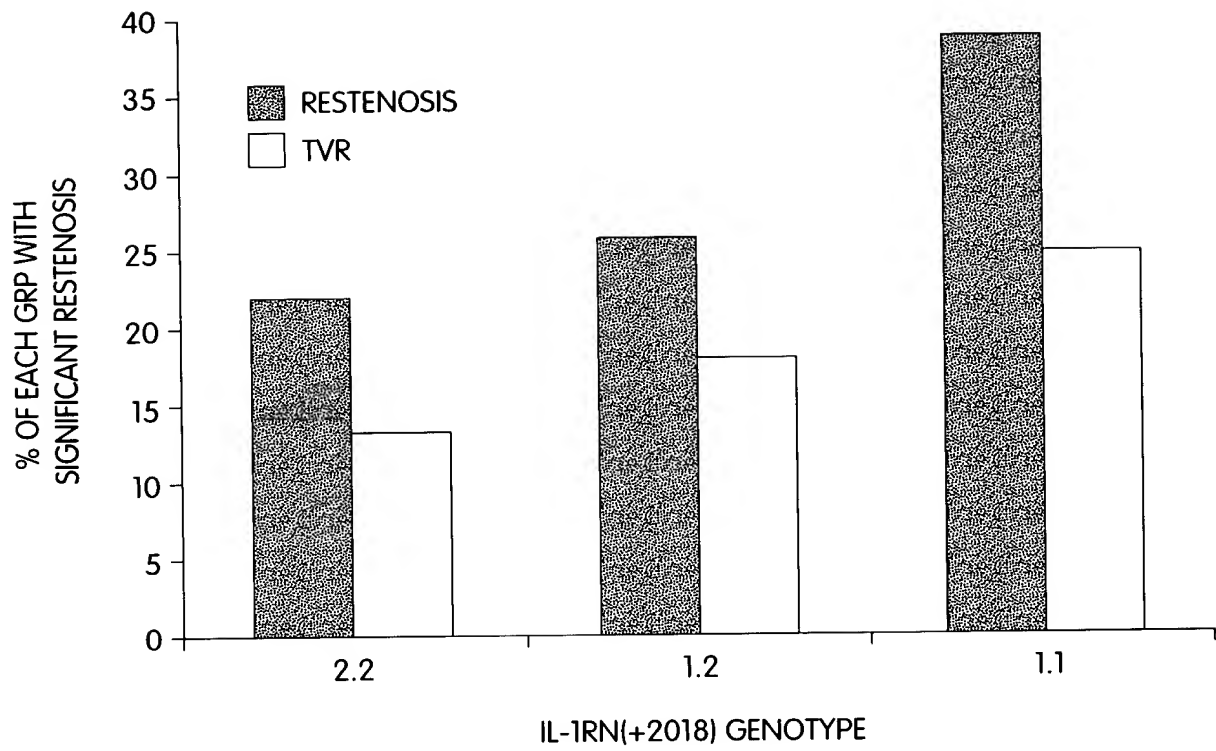


Fig. 8

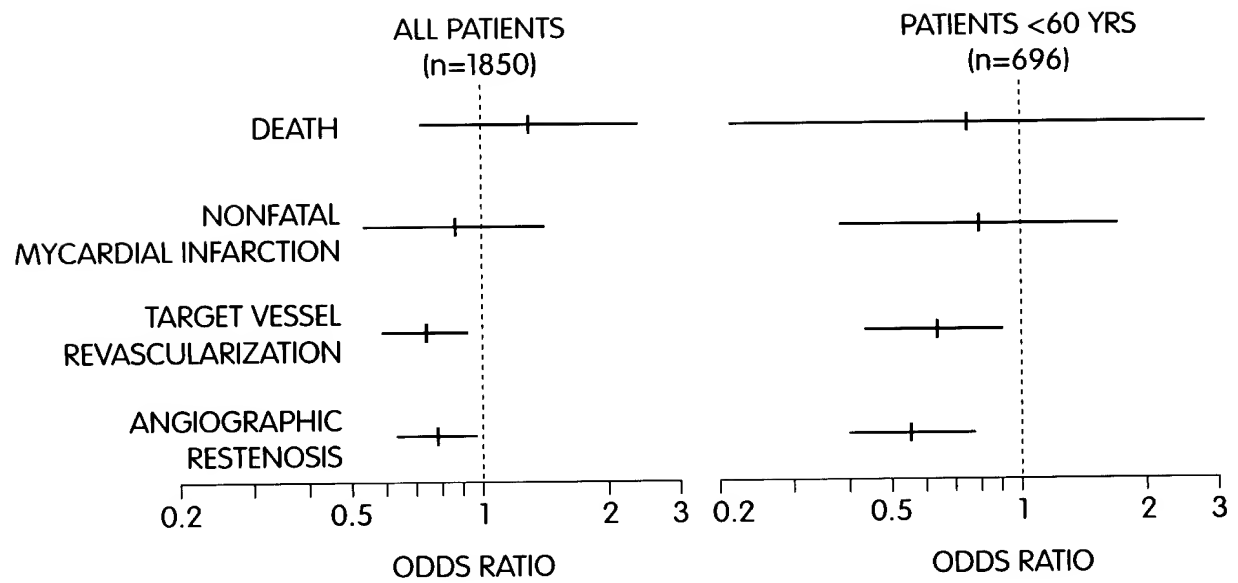


Fig. 9

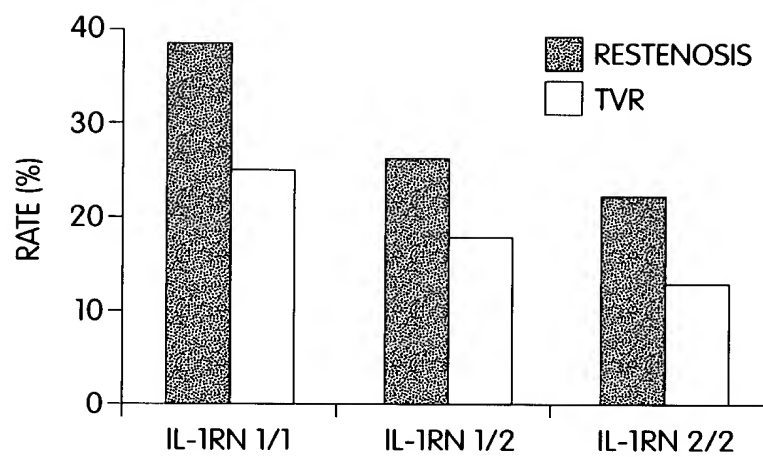


Fig. 10